

Appl. No.: 10/605,978
Amdt. Dated: 8/17/2004
Reply to Office action of: 06/29/2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm structure transferring energy of impact of the sun visor assembly ~~with a deploying side air curtain~~ comprising:
 - a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a ~~groove~~ retaining section around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor assembly mounting bracket, and a pivot joint fitting having pivot pin bore therein at the opposite end of said first visor arm piece;
 - a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a pivot joint fitting having pivot pin bore engagingly complimentary to the pivot joint fitting of said first visor arm piece;
 - a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;thereby allowing the visor arm structure to bend the sun visor assembly out of the way of the deploying side air curtain.
2. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.
3. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said first and said second arm pieces are comprised of the same material.

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4. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said first and said second arm pieces are comprised of different materials
5. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said pivot pin comprises steel.
6. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said mating faces of the complimentary joint fittings have located thereon mating lugs and slots.
7. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, the mating faces of the complimentary joint fittings have located thereon saw-tooth like surfaces.
8. (currently amended) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm structure transferring energy of impact of the sun visor assembly ~~with a deploying side air curtain~~ comprising:
 - a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a ~~groove~~ retaining section around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor assembly mounting bracket, and a tongue for a tongue and groove-type joint having pivot pin bore therein at the opposite end of said first visor arm piece;
 - a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a groove for a tongue and groove-type joint fitting having pivot pin bores engagingly complimentary to the tongue of said first visor arm piece;
 - a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;

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thereby allowing the visor arm structure to bend the sun visor assembly out of the way of the deploying side air curtain.

9. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.

10. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said first and said second arm pieces are comprised of the same material.

11. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said first and said second arm pieces are comprised of different materials

12. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said pivot pin comprises steel.

13. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said mating faces of the complimentary joint fittings have located thereon mating lugs and slots.

14. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, the mating faces of the complimentary joint fittings have located thereon saw-tooth like surfaces.

15. (currently amended) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm structure transferring energy of impact of the sun visor assembly ~~with a deploying side air curtain~~ comprising:

a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a ~~groove~~ retaining section around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor

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assembly mounting bracket, a pivot joint fitting having pivot pin bore therein at the opposite end of said first visor arm piece, and an electrical conducting assembly comprising;

- a pair of electrically conductive members positioned in spaced relationship by
- a plurality of spacing members, and
- a plurality rotational engagement detents;

a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a pivot joint fitting having pivot pin bore engagingly complimentary to the pivot joint fitting of said first visor arm piece, and an electrical conducting assembly comprising;

- a pair of electrically conductive members positioned in spaced relationship by
- a plurality of spacing members, and
- a plurality rotational engagement detents;;

a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;

thereby allowing the visor arm structure to provide power for a vanity mirror for example, and to bend the sun visor assembly out of the way of the deploying side air curtain.

16. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.

17. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said first and said second arm pieces are comprised of the same material.

18. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said pivot pin comprises steel.

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19. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said mating faces of the complimentary joint fittings have located thereon mating lugs and slots.

20. (original) The jointed two piece visor arm structure as claimed in Claim 15 wherein, the mating faces of the complimentary joint fittings have located thereon saw-tooth like surfaces.